

## Hazard Review and Work Authorization for Moss Sampling

**Purpose** This Meteorology and Air Quality Group (MAQ) hazard review (HR) describes the hazards associated with the sampling and processing of moss from several springs in northern New Mexico.

**Scope** This HR applies to the MAQ group members assigned to sample approximately 10 spring sites in northern NM.

**History of revision** This table lists the revision history and effective dates of this Hazard Review.

Revision	Date	Description Of Changes
0		New document.

**Signatures**

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## Activity Description/Overview

Work tasks/Steps	Hazards, Concerns, and Potential accidents; Likelihood/ Severity	Controls, Preventive Measures (e.g., safety equipment, administrative controls, etc.)	Hazard Level from IMP 300-00-00 Hazard Grading Matrix
Step #1: Drive to one of ten sites picked by PI. See potential sites below.	Driving accident  remote/catastrophic = low	Train to RRES-ES-Driving document "Driving and Towing Safety for All Employees"	Low
Step #2: Hike to spring	Various field and outdoor hazards such as seasonal heat and cold extremes, wind, sun exposure, lightning, insects, reptiles, slips, falls, brush  remote/moderate = low	Train to RRES-ES-Field, "General Field Safety for all Employees". PPE will include hip boots, pants, long-sleeve shirt, hat, and safety glasses.	Low
Step #3: Collect moss from springs according to ENV-MAQ-701, "Produce Sampling", page 6, Sections "Equipment needed", "Before Leaving for the Field", "Steps for Sampling Produce", "Maintaining Custody of Samples", and "Transferring Custody of Samples". (Note: knives and garden clippers are not needed.)	Various field and outdoor hazards such as seasonal heat and cold extremes, wind, sun exposure, lightning, insects, reptiles, slips, falls, brush  remote/moderate = low	See Hazard Review for "Produce Sampling", ENV-MAQ-701.	Low
Step #4: Process moss samples according to ENV-MAQ-706, "Processing and Submitting Samples for the Foodstuffs Monitoring Program".	Laboratory hazards	See Hazard Review for "Processing Samples" in ENV-MAQ-706.	Low

**Prerequisites** In addition to training to this HR, the following training is required before performing work in this HR:

- RRES-ES-Driving, “Driving and Towing Safety for All Employees”,
- RRES-ES-Field, “General Field Safety for all Employees”
- MAQ-701, “Produce Sampling”
- MAQ-706, “Processing and Submitting Samples for the Foodstuffs Monitoring Program”.

**Wastes or residual materials**

None

**Emergency actions to take in event of control failure** For all injuries, provide first aid and see that injured person is taken to Occupational Medicine (only if immediate medical attention is not required) or the hospital. Notify supervisor and group office as soon as possible.

**Potential Sample Sites**

River	Spring Name	Nearest Location	Forest Service #
Pecos	Willow Creek	Pecos, New Mexico	(505)757-6121
Rio Grande	Lattir Creek	Costilla, New Mexico	(505)586-0520
Rio Grande	Rio Hondo Creek	Taos, New Mexico	(505)758-6200
Rio Grande	Big Spring	Pilar, New Mexico	NMED split
Rio Grande	Alder Creek	South fork, Colorado	(970)247-4874
Rio de Los Pinos	Beaver Creek	Tres Piedras, New Mexico	(505)758-8678
Rio Chama	Coyote Creek	Coyote, New Mexico	(505)638-5826
Rio Chama	Rio Chamita Creek	Chama, New Mexico	(505)684-2489
Rio Chama	El Rito	El Rito, New Mexico	(505)581-4554
Jemez River	Rio Ceballo	La Cueva, New Mexcio	(505)824-3535
San Juan	Mill Creek	Pagosa Springs, Colorado	(970)247-4874
Monero	Allen	Lumberton, New Mexico	

[Click here to record “self-study” training to this HR.](#)

NOTE: Training to this document, as recorded in the EDS system, constitutes authorization to perform the work.